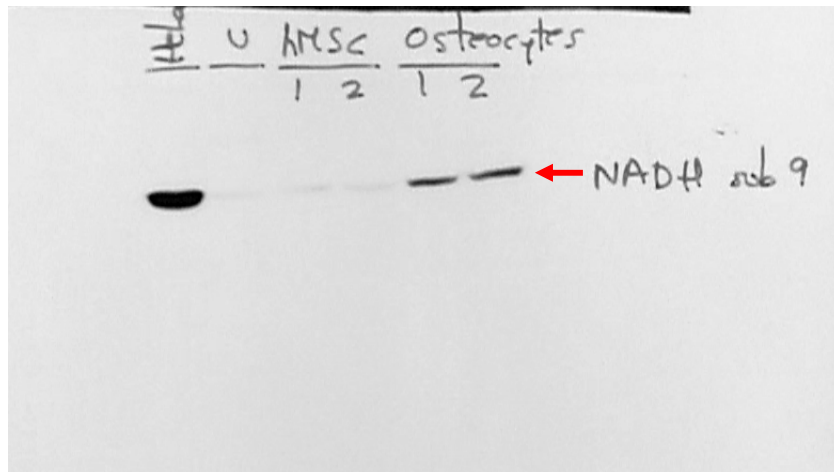


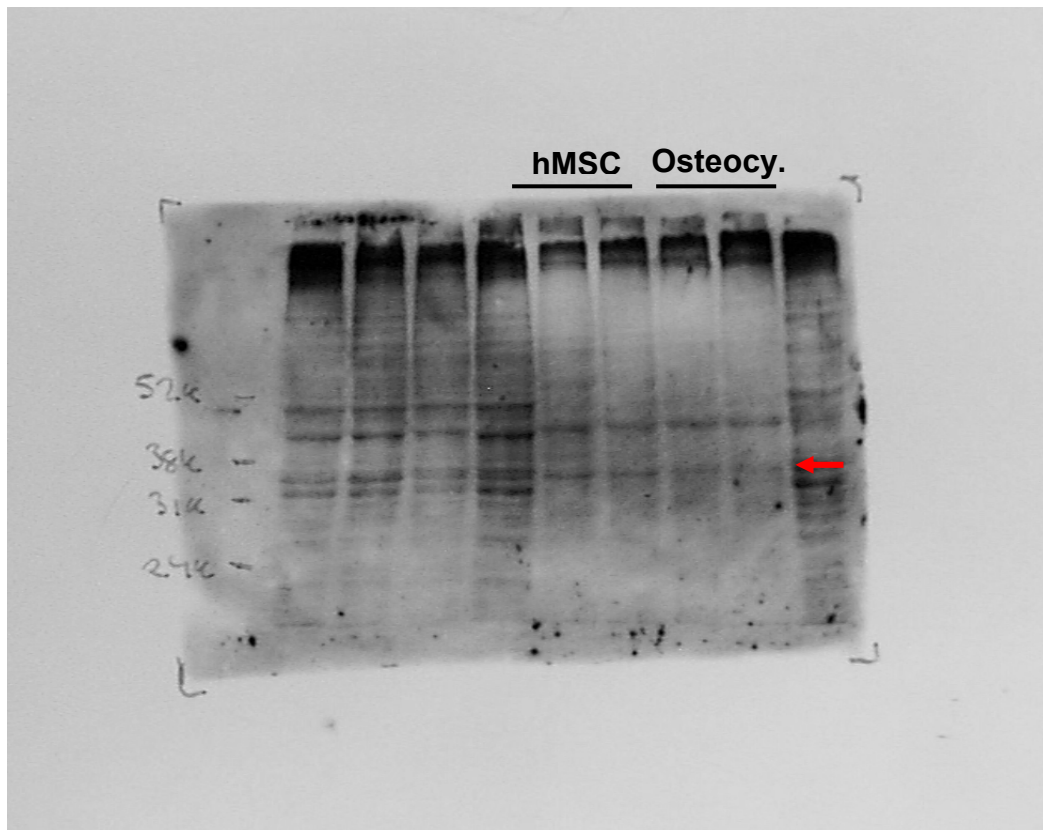
Raw Western blots data from Figure 2.

COMPLEX I:

NADHs9 (~52KDa):

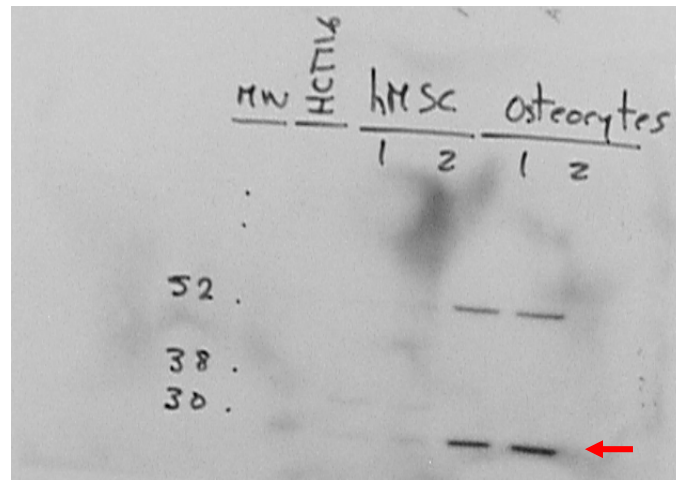


NDUFS3 (~30KDa):



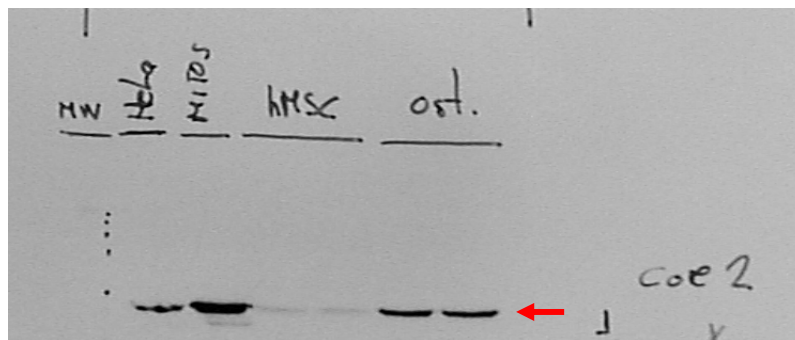
COMPLEX II:

SDH-B (~30KDa):



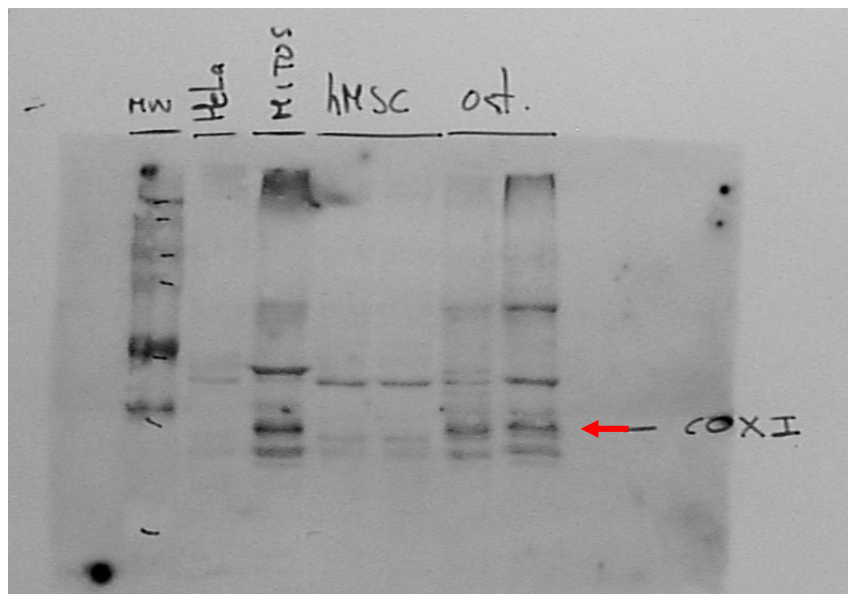
COMPLEX III:

Core 2: (~52KDa)

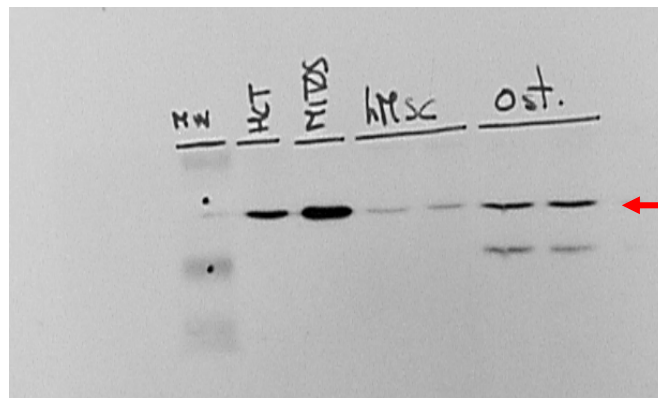


COMPLEX IV:

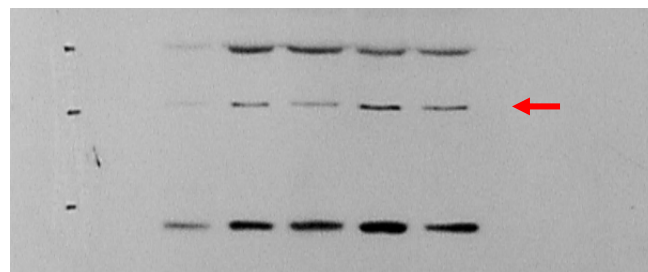
COXI: (~39KDa)



COXII: (~24KDa)

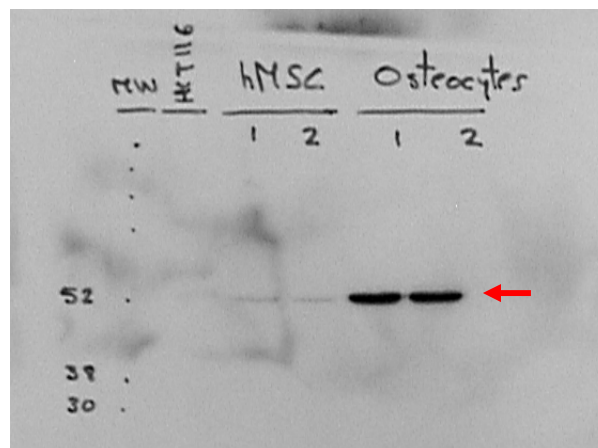


COXIV(~17KDa):

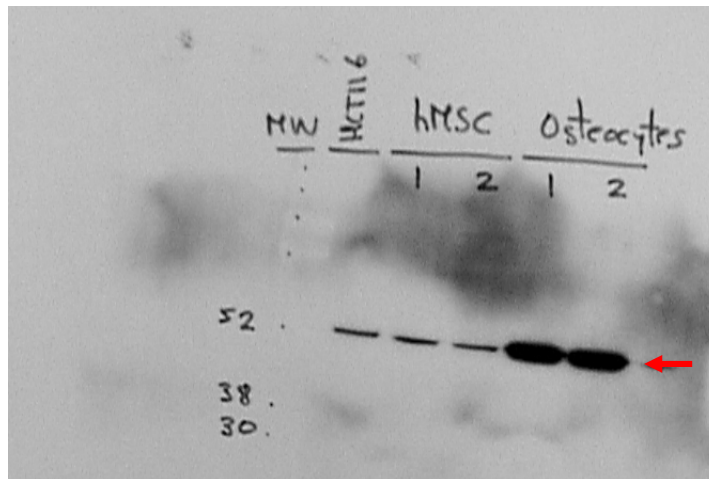


COMPLEX V:

β -F1-ATPase (~56Kda):

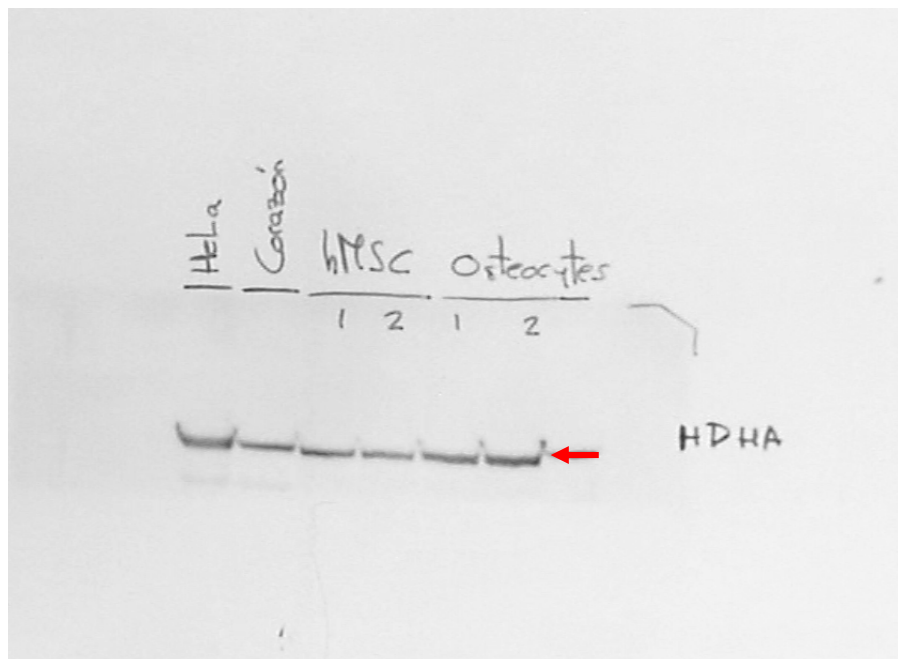


α -F1-ATPase (~56KDa):

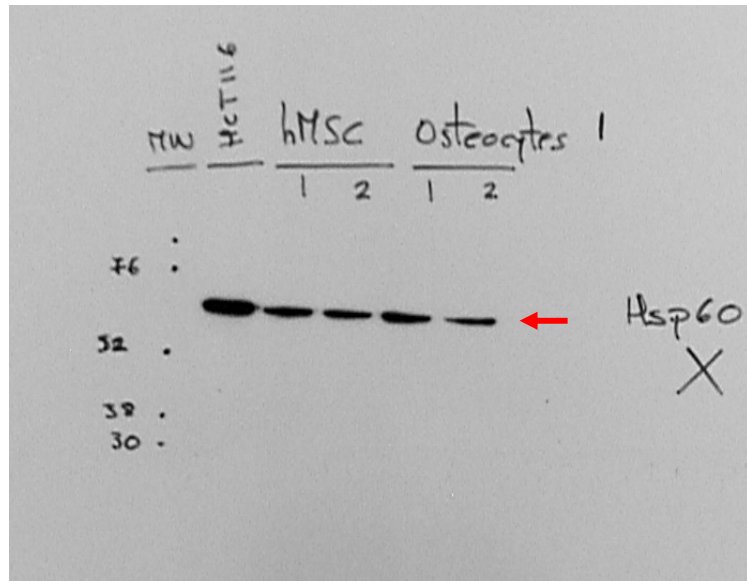


OTHER MITOCHONDRIAL PROTEINS:

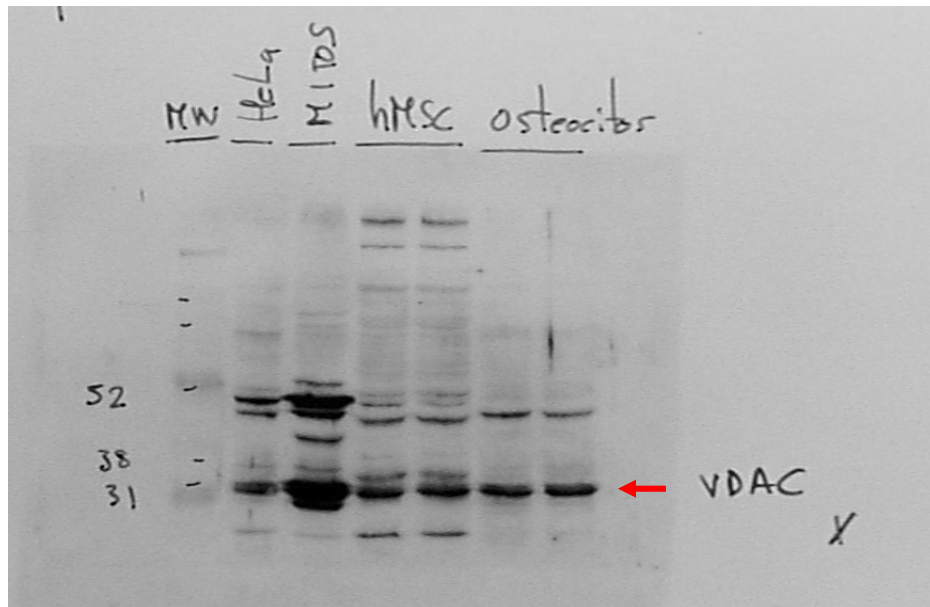
HADHA (~83KDa):



Hsp60 (~60KDa):

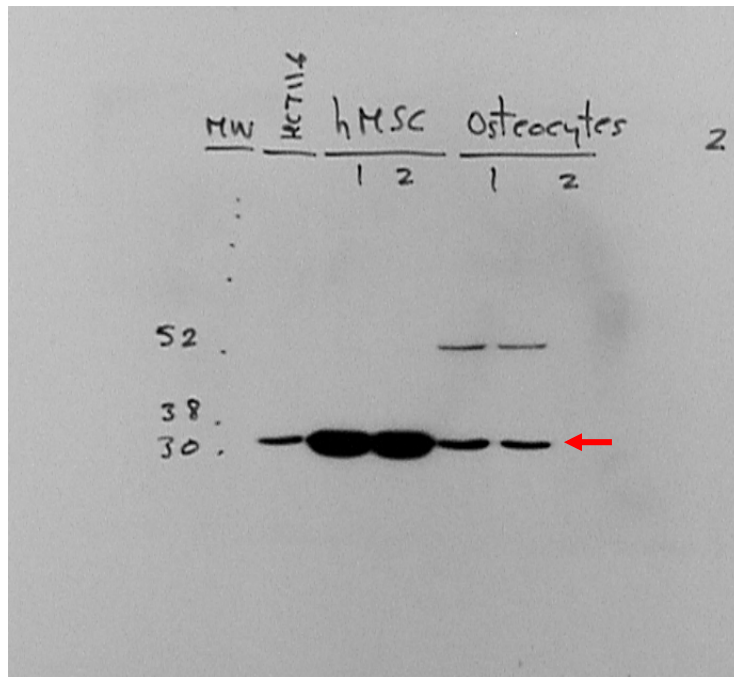


VDAC (~31KDa):

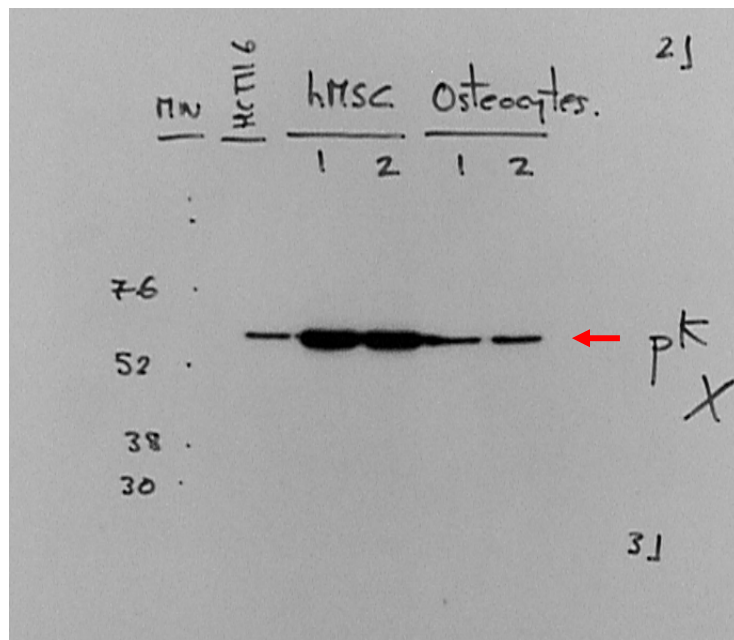


GLYCOLYTIC ENZYMES:

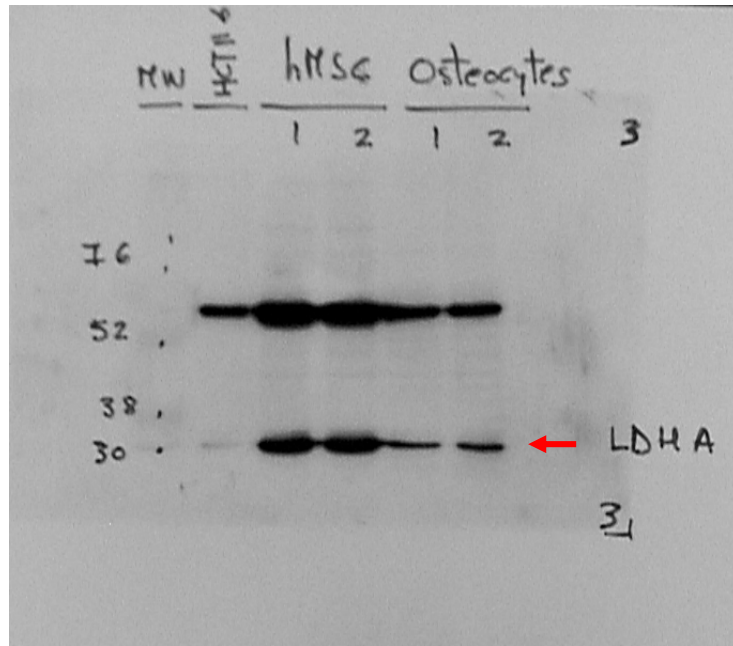
GAPDH (~35KDa):



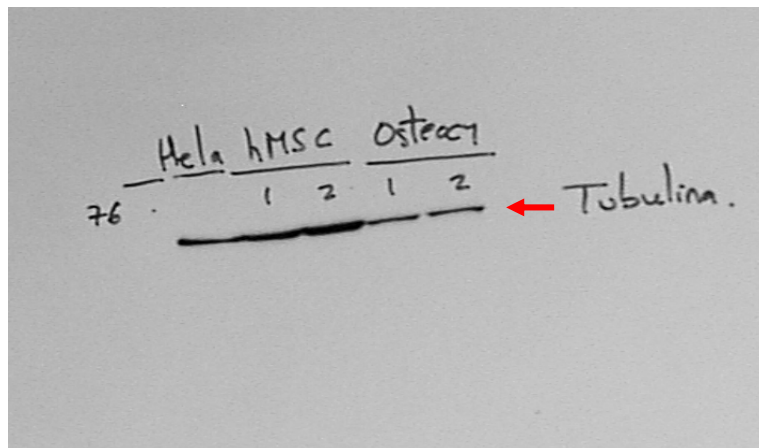
PK-M2(~60KDa) :



LDHA (~35KDa):



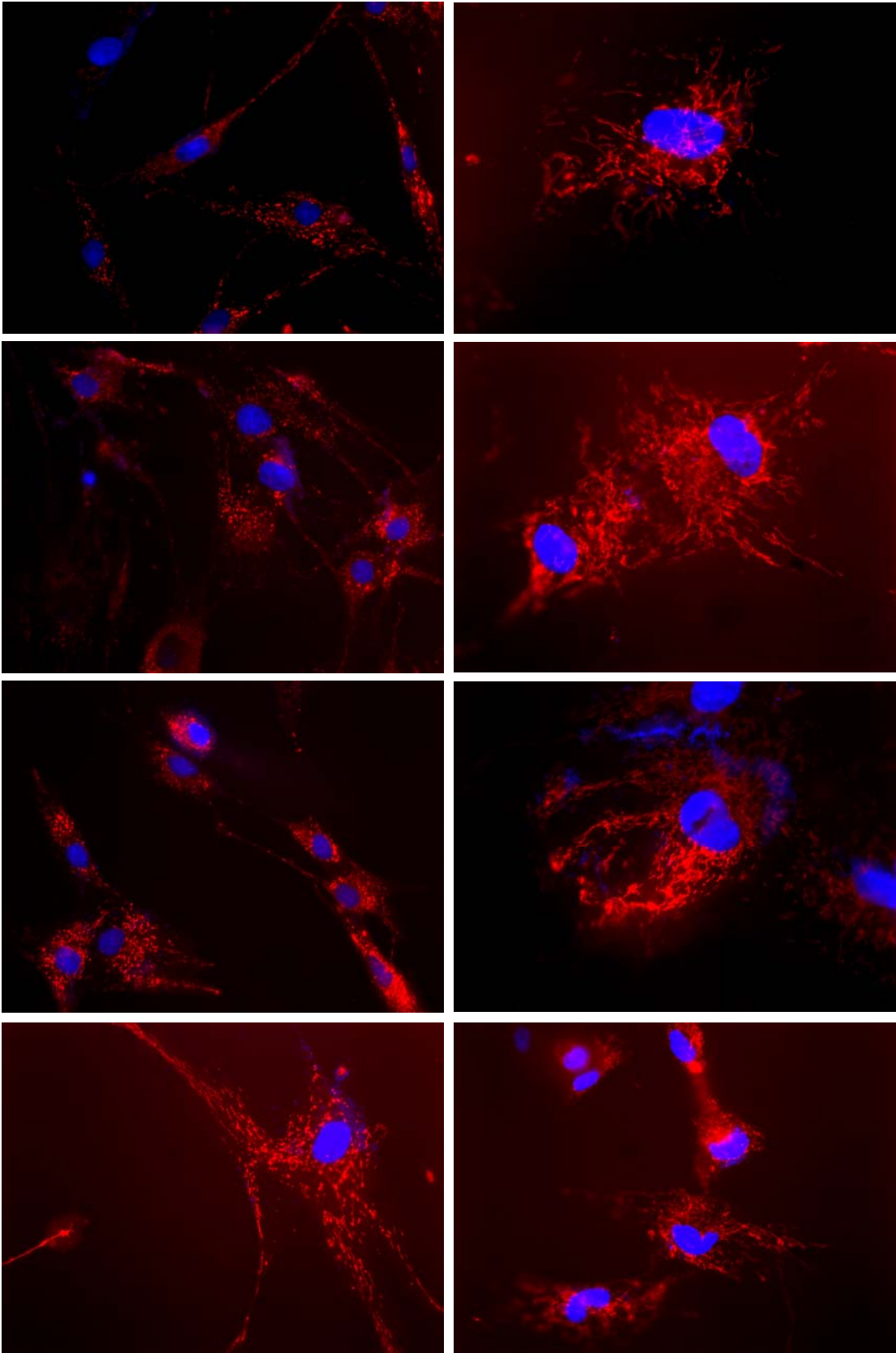
TUBULIN (~60KDa):



Raw Fluorescence Images (40X and 63X).

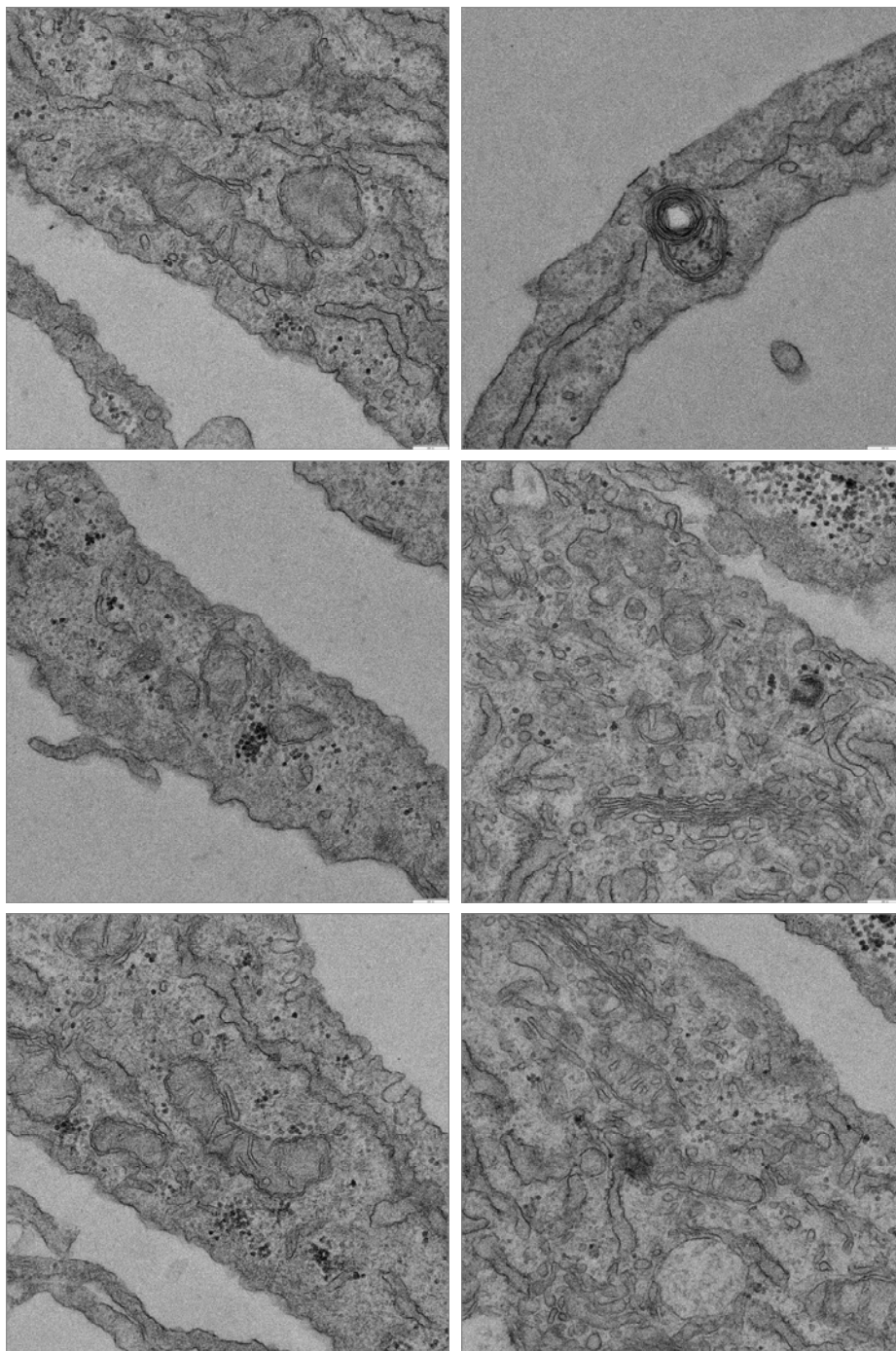
hMSCs

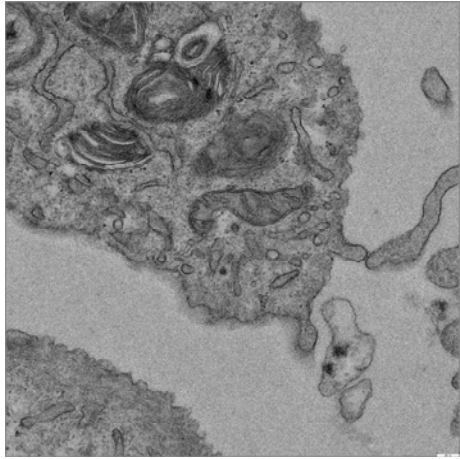
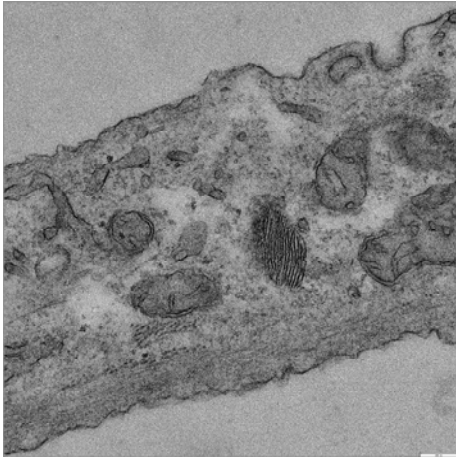
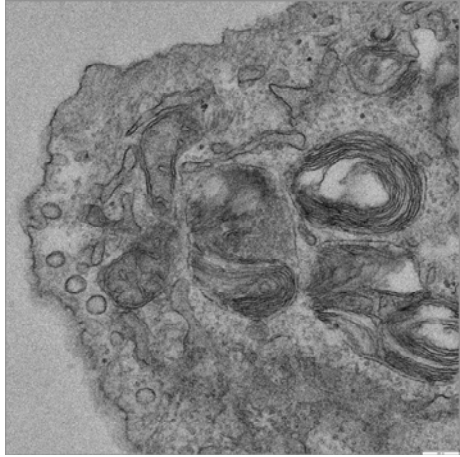
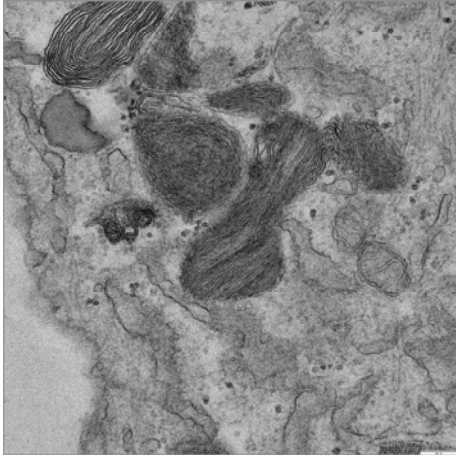
Osteocytes



Raw Electron Microscopy Images (20X)

hMSCs





Osteocytes

